

REMARKS

Claims 36-71 are pending in the application.

Claims 38-59 and 62-69 are objected to and would be allowable if amended to independent form.

Claims 36, 37, 60, 61, 70 and 71 stand rejected.

Claims 44, 63 and 64 are amended to correct minor informalities.

Foreign Priority

An Office Action was mailed on January 26, 2005 and a further Office Action was mailed on July 12, 2005.. These Actions failed to indicate foreign priority under 35 U.S.C. § 119 (a) – (d) and that the associated priority documents were received.

This patent application claims priority under 35 U.S.C. § 119 (a) – (d) from **UNITED KINGDOM, 9826271.0, 11/30/1998.**

COPIES of the Declaration, Notice of Acceptance showing the Declaration was received by the USPTO, and a copy of the incorrect filing receipt were sent to the Examiner on March 14, 2005 requesting acknowledgement.

We request that the Examiner acknowledge priority and receipt of the priority documents and a corrected filing receipt be returned.

Claim Objections

Claims 63 and 64 are objected to for minor informalities. The claims have been amended to correct these informalities.

Claim Rejections

Claims 36, 37, 70 and 71 are rejected under 35 U.S.C. § 102(b) as anticipated by Tsujimoto (U.S. 5,493,307).

Claims 60 and 61 are rejected under 35 U.S.C. § 103(a) over Tsujimoto in view of Widrow (U.S. 2002/32004).

With regard to the Widrow, the reference could not be found in any IDS or Notice of references cited by the examiner.

In addition, this reference is filed after the priority date of applicant's invention. Therefore, claims 60 and 61 should likewise be allowable.

With Regard to Tsujimoto

In the Office Action it appears that elements 105 in Tsujimoto is being equated to the claimed assistant beam former.

However applicant is claiming in claims 36, 70 and 71 that a beam control information setting unit employs the output signals and the beam control information corresponding respectively to the assistant beam patterns to make an initial estimate of said beam control information for said main beamformer.

Therefore the initial estimate of the beam control information for the main beamformer is being described.

The Office Action points to col. 3, line 55 to col. 4, line 40, cols. 7-10, and col. 13, lines 13-67. However in reviewing these sections this feature could not be found.

Col. 4 describes "The correlation signals are combined with the components of a steering vector which indicates an estimated arrival angle of an interfering signal to be detected. The vector-combined correlation signals are supplied to the multipliers 120 as the respective weight coefficients for weighting the sub-antenna signals, respectively. The output of the adder 121 is an

interference canceling signal, which is subtracted in the subtractor 104 from the output of main antenna 101 to cancel the interfering signal contained in it."

This describes an estimated arrival angle for the sub-antenna and does not teach the claimed invention.

Cols. 7-9 describe different embodiments of the sub-array processors for steering the directional patterns of the sub-antennas to the desired signal source. There is not description of applicant's claimed invention. For example col. 7, lines 3-9, col. 8, lines 42-45 and col. 9, lines 45-50.

Col. 13, lines 13-67 also fail to suggest the claimed features of at least employing the output signals and the beam control information corresponding respectively to the assistant beam patterns to make an initial estimate of said beam control information for said main beamformer.

It is respectfully requested the rejections be withdrawn and the claims allowed.

In view of the remarks set forth above, this application is in condition for allowance which action is respectfully requested. However, if for any reason the Examiner should consider this application not to be in condition for allowance, the Examiner is respectfully requested to telephone the undersigned attorney at the number listed below prior to issuing a further Action.

Any fee due with this paper may be charged to Deposit Account No. 50-1290.

Respectfully submitted,


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